

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-18 (Canceled)

19 (Previously presented). In a catheter having a proximal end and a distal end useable in a system for intraluminal treatment of a selected site in a body of a patient including a transfer device having a central opening for receiving the catheter and for storing at least one treatment element and propelling the treatment element into a lumen in the catheter, the improvement comprising:

a connector integral with the proximal end of the catheter including at least one detent extending from said connector and having a transverse tab at the end of the detent extending from said connector for securing said connector in the central opening of the transfer device by catching said tab inside said opening of the transfer device, said detent being manually actuatable to release the catheter from the central opening of the transfer device by depressing said detent so as to allow said transverse tab to be released from inside said opening of the transfer device.

20. (Previously presented) The catheter of Claim 19 wherein said detent comprises a cantilever arm axially extending from said connector.

21 (Currently amended). A catheter for use in a system for intraluminal treatment of a selected site in a body of a patient by at least one treating element moveable by means of pressurized fluid, the catheter comprising an elongated tube having a proximal end and a distal end, first and

second lumens extending between said proximal and distal ends of said elongated tube and being in fluid communication with each other communicating at a distal end of each lumen and the distal end of said elongated tube and being closed to outside said elongated tube at said distal end of said elongated tube, said first lumen sized to slidably receive said at least one treating element, and said second lumen having an elliptical cross section.

22. (Previously presented) The catheter of Claim 21 further comprising at least one radiopaque marker for aligning said distal end and the at least one treating element with the selected site of the body of the patient, said radiopaque marker being located within said first lumen at said distal end and providing a fluid flow path between said first and second lumen.

23-37 (Canceled).

38 (Currently amended). A catheter for use in a system for intraluminal treatment of a selected site in a body of a patient by at least one treating element moveable by means of pressurized fluid, the catheter comprising an elongated tube having a proximal end and a distal end, and first, second and third lumens extending between said proximal and distal ends, said first lumen sized to slidably receive the treating element, and said third lumen sized to receive a guidewire, the distal end of said third lumen having a lining with a higher durometer than a tip of said catheter so as to damage from the guidewire as said catheter is delivered over the guidewire to the selected site, wherein said lining comprises a polyethylene blend of a high density polyethylene and a low density polyethylene.

39-41 (Canceled).

42 (Previously presented). The catheter of Claim 21 further comprising at least one treating element, said at least one treating element slidingly received in said first lumen.

43 (Previously presented). The catheter of Claim 42 further comprising a pressurized fluid wherein said at least one treating element is moveable by means of said pressurized fluid.

44 (New). The catheter of Claim 19 further comprising a sleeve member, wherein said sleeve member fits over the distal end of the connector, fits over said detent and abuts the distal end of the transfer device, and wherein said sleeve member is sufficiently flexible to permit depression of said detent to release said catheter.